



Infrared Classroom Audio System

Model PI30-IRSYS

Specifications

Infrared Mic Specifications*

Transmitting & Receiving Mode	IR
Transmitting & Receiving Frequency	2.35MHz
Wireless Transmission Range:	Approximately 40 ft., for rooms up to 2,000 sq. feet
Current Consumption	240mA
AF Output	650mV AF 1kHz
Mic Inputs:	Balanced and unbalanced, condensor (XLR, 1/4", 3.5mm) 1/4"
Line Output:	1/4"
AC Power Requirements:	110 – 125 VAC, 50/60 Hz
Modulation:	FM (Frequency Modulation)
Sensitivity:	7 microvolts
Frequency Response:	50 Hz - 15 KHz +/- 3dB
Wireless Transmission Range:	Approximately 40 ft.
Dynamic Range:	100 dB
Distortion	<1%
Battery	Two 1.2V (AA) or Two 1.5V (not included)

Student Hand Held Microphone*

Sub-carrier frequencies	2.35MHz
Microphone	Unidirectional, dynamic
Power	2-'AA' NiMH Rechargeable batteries (not included)

* Batteries must be purchased separately

"Project Intercept"

Please contact us immediately if you experience any difficulties with your Infrared Classroom Audio System. Our "Project Intercept" customer service program will quickly repair or replace items under warranty. Simply contact us via phone or email warranty@califone.com

Visit our website at www.califone.com to learn more about the complete line of Califone® audio enhancing and visual technology products including: Wired and Wireless public address systems and lecterns, wireless microphones, headphones & headsets, group listening centers, multimedia players and computer peripheral products.

We are proud of helping teachers enhance student understanding and achievements since 1947, with your satisfaction as our first priority.

The Infrared Classroom Audio System carries a limited six-year warranty and service support available through authorized dealers nation-wide. Its warranty covers school use - unlike some other PA products whose warranties would be voided if used in schools.

Distributed by:

Receiver/Amplifier

Audio Power	30 Watts RMS
Power Requirements	18VAC 50 VA
Speaker Connections	for 2 speakers
Mono inputs	2 - (RCA type, Hi Z, Mixed)
Auxiliary Volume Control	1
Sub-carrier frequencies	2.35 MHz or 2.85 MHz
Type	Super heterodyne - crystal controlled
Signal-to-noise	>80 dB
Image rejection	40 dB
Reception sensitivity	>25dBuV
Reception selectivity	±40kHz
Condensor, balanced and unbalanced (3.5mm, XLR, 1/4") mic inputs, aux in and line out	

Belt-Pack Transmitter with hands-free headset mic (HBM-316)

Single carrier	2.35MHz
Audio distortion	<1.0%
Mic input impedance	2.2k ohms
Auxiliary Mic input jack	3.5mm
Built-in mic	unidirectional electret
Microphone gain adjustment	Max to -50dB
Power	2-'AA' NiMH rechargeable batteries (not included)

Non-Powered Speakers (PI30-SP)

Two (2) wall mounted speakers w/ 2 heavy duty steel mounting brackets	
Transducers	Three per speaker, each 16 Ohm
Magnets	High performance neodymium
Power rating	30 watts RMS, 150 - 15kHz
Speaker Weight	3.2 lbs. each, bracket 1.7 lbs each
Connection Terminals	Spring-loaded terminals

External Infrared Dome Sensors

Two (2) 360 degree ceiling mounted infrared sensors for optimal coverage of infrared signal pickup throughout the entire classroom	
Cable length	30 ft standard
Power	Powered by receiver
Size	3.9" (D) x 1.2" (thick)
Weight	7.5 oz each
Sensor Type	Lensed infrared diode
Number of Lensed Diodes	6
Reception Angle	360 degrees

Storage Cabinet

Construction	Lockable steel case stores mics
Built-in charging port	For belt-pack transmitter, plug in transformer
Dimensions (L x W x H)	10.6" x 4.75" x 11.8"

Total System Weight:	17 pounds, combined shipping weight of total system 39 lbs.
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Safety Approvals:	AC Wall adapter is C-UL/CE approved safe for use in school, business, government and church facilities
Warranty	6 years from date of purchase (PA only, all other parts one year)

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